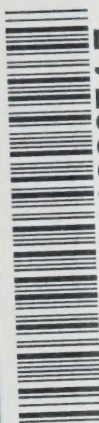


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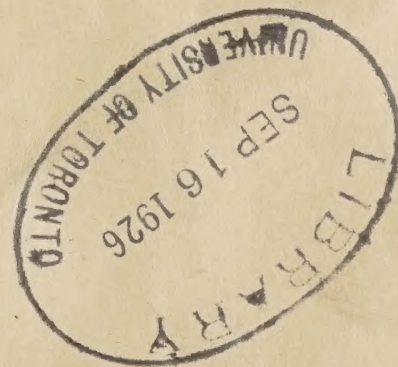
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## INSTRUCTIONS TO APPLICANTS FOR MINES BRANCH PUBLICATIONS

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The reports of the Mines Branch deal with the investigations of the mineral resources of Canada from a technical and economic standpoint and have permanent scientific value. Special care has been taken in their preparation and printing and most of them are well illustrated. A single copy of each publication will be sent *free*, to any *bona fide* applicant in Canada, who may be particularly interested in the district or subject to which the report relates. A small charge, however, is made for each publication to applicants outside the Dominion of Canada.

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Investigations of the Mineral Resources and the Mining Industry.

Investigations in Ore Dressing and Metallurgy (Testing and Research Laboratories).

Investigations of Fuels and Fuel Testing (Testing and Research Laboratories).

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**DEPARTMENT OF MINES**

HON. CHARLES STEWART, Minister; CHARLES CAMSELL, Deputy Minister

**MINES BRANCH**

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- \*1. Mining conditions in the Klondike, Yukon. Report on—by Eugene Haanel, Ph.D., 1902.
- \*2. Great landslide at Frank, Alta. Report on—by R. G. McConnell, B.A., and R. W. Brock, M.A., 1903.
- \*3. Investigation of the different electro-thermic processes for the smelting of iron ores and the making of steel, in operation in Europe. Report of Special Commission—by Eugene Haanel, Ph.D., 1904.
- 5. On the location and examination of magnetic ore deposits by magnetometric measurements—by Eugene Haanel, Ph.D., 1904. 132 pp., 8 pls.
- \*7. Limestones, and the lime industry of Manitoba. Preliminary report on—by J. W. Wells, M.A., 1905.
- \*8. Clays and shales of Manitoba: their industrial value. Preliminary report on—by J. W. Wells, M.A., 1905.
- \*9. Hydraulic cements (raw materials) in Manitoba; manufacture and uses of. Preliminary report on—by J. W. Wells, M.A., 1905.
- (E) ↓ \*10. Mica: its occurrence, exploitation, and uses—by Fritz Cirkel,  
(F) \*264. M.E., 1905. (See No. 118.)
- ✓ \*11. Asbestos: its occurrence, exploitation, and uses—by Fritz Cirkel, M.E., 1905. (See No. 69.)
- ✓ \*12. Zinc resources of British Columbia and the conditions affecting their exploitation. Report of the Commission appointed to investigate—by W. R. Ingalls, M.E., 1905.
- \*16. Experiments made at Sault Ste. Marie, under Government auspices, in the smelting of Canadian iron ores by the electro-thermic process. Final report on—by Eugene Haanel, Ph.D., 1907.
- ✓ \*17. Mines of the silver-cobalt ores of the Cobalt district; their present and prospective output. Report on—by Eugene Haanel, Ph.D., 1907.
- (E) ↓ \*18. Graphite: its properties, occurrences, refining, and uses—by  
(F) \*202. Fritz Cirkel, M.E., 1907.
- (E) ↓ \*19. Peat and lignite: their manufacture and uses in Europe—by  
(F) \*198. Erik Nystrom, M.E., 1908.
- \*20. Iron ore deposits of Nova Scotia. Report on (Part I) by J. E. Woodman, D.Sc., 1909.

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- \*21. Summary report of Mines Branch, 1907-8.
- (F) \*22. Iron ore deposits of Thunder Bay and Rainy River districts. Report on—by F. Hille, M.E., 1908.
- \*23. Iron ore deposits along the Ottawa (Quebec side) and Gatineau rivers. Report on—by Fritz Cirkel, M.E., 1909.
- 24. General report on the mining and metallurgical industries of Canada, 1907-8. 972 pp., 75 pls., 16 figs. (See report No. 597.)
- (E) \*25. The tungsten ores of Canada. Report on—by T. L. Walker, Ph.D., 1909.
- (F) \*156. The mineral production of Canada, 1906. Annual report on—by John McLeish, B.A.
- (E) 26. The mineral production of Canada, 1907. Preliminary report on—by John McLeish, B.A.
- (F) \*27a. The mineral production of Canada, 1908. Preliminary report on—by John McLeish, B.A.
- \*28. Summary report of Mines Branch, 1908.
- (E) \*29. Chrome iron ore deposits of the Eastern Townships. Monograph on—by Fritz Cirkel, 1909. (Supplementary section: Experiments with chromite at McGill University—by J. B. Porter, E.M., D.Sc.)
- (F) \*226. Investigation of the peat bogs and peat fuel industry of Canada, 1908. Bulletin No. 1—by Erik Nystrom, M.E., and A. Anrep, Peat Expert.
- 32. Investigation of electric shaft furnace, Sweden. Report on—by Eugene Haanel, Ph.D., 1909. 40 pp., 3 pls., 8 figs.
- 47. Iron ore deposits of Vancouver and Texada islands. Report on—by Einar Lindeman, M.E., 1910.
- (E) \*55. The bituminous, or oil-shales of New Brunswick and Nova Scotia; also on the oil-shale industry of Scotland. Report on—by R. W. Ells, LL.D., 1910.
- (F) \*56. The mineral production of Canada, 1907 and 1908. Annual report on—by John McLeish, B.A.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1907-8.

- \*31. Production of cement in Canada, 1908.
- \*42. Production of iron and steel in Canada during the calendar years 1907 and 1908.
- \*43. Production of chromite in Canada during the calendar years 1907 and 1908.
- \*44. Production of asbestos in Canada during the calendar years 1907 and 1908.
- \*45. Production of coal, coke, and peat in Canada during the calendar years 1907 and 1908.
- \*46. Production of natural gas and petroleum in Canada during the calendar years 1907 and 1908.

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- ✓ \*59. Chemical analyses of special economic importance made in the laboratories at the Department of Mines, 1906-07-08. Report on—by F. G. Wait, M.A., F.C.S. (With appendix on the commercial methods and apparatus for the analyses of oil-shales—by H. A. Leverin, Ch.E.)  
 Schedule of charges of chemical analyses and assays.
- ✓ \*62. The mineral production of Canada, 1909. Preliminary report on—by John McLeish, B.A.
- ✓ \*63. Summary report of Mines Branch, 1909.
- (E) ✓ \*67. Iron deposits of the Bristol mine, Pontiac county, Quebec.
- (F) 314. Bulletin No. 2—by Einar Lindeman, M.E., and Geo. C. Mackenzie, B.Sc., 1910.
- (E) ✓ \*68. Recent advances in the construction of electric furnaces for the production of pig iron, steel, and zinc. Bulletin No. 3—by Eugene Haanel, Ph.D., 1910.
- (F) \*263.
- (E) ✓ \*69. Chrysotile-asbestos: its occurrence, exploitation, milling, and uses. Report on—by Fritz Cirkel, M.E., 1910. (Second edition, enlarged.)
- (F) \*81.
- ✓ \*71. Investigation of the peat bogs and peat industry of Canada, 1909-10; to which is appended Mr. Alf. Larson's paper on Dr. M. Ekenberg's wet-carbonizing process; from *Teknisk Tidskrift*, No. 12, December 26, 1908—translation by Mr. A. Anrep, Jr.; also a translation of Lieut. Ekelund's pamphlet entitled "A solution of the peat problem," 1909, describing the Ekelund process for the manufacture of peat powder, by Harold A. Leverin, Ch.E. Bulletin No. 4—by A. Anrep. (Second edition, enlarged.)
- ✓ \*82. Magnetic concentration experiments. Bulletin No. 5—by Geo. C. Mackenzie, B.Sc., 1910.
- (E) ✓ \*83. An investigation of the coals of Canada with reference to their economic qualities: as conducted at McGill University under the authority of the Dominion Government. Report on—by J. B. Porter, E.M., D.Sc., R. J. Durley, Ma.E., and others, 1912.
- (F) \*308.
- ✓ \*Vol. I.—Coal washing and coking tests. 233 pp., 57 pls., 56 figs.
- ✓ \*Vol. II.—Boiler and gas producer tests. 184 pp., 17 pls., 25 figs.
- ✓ \*Vol. III.—  
 Appendix I.  
 Coal washing tests and diagrams.
- \*Vol. IV.—  
 Appendix II.  
 Boiler tests and diagrams.
- ✓ \*Vol. V.—  
 Appendix III.  
 Producer tests and diagrams.

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## \*Vol. VI.—

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- (E) \*84. Gypsum deposits of the Maritime Provinces of Canada—  
 (F) \*233. including the Magdalen islands. Report on—by W. F. Jennison, M.E., 1911. (See No. 245.)
- \*88. The mineral production of Canada, 1909. Annual report on—by John McLeish, B.A.
- NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1909.
- \*79. Production of iron and steel in Canada during the calendar year 1909.
- \*80. Production of coal and coke in Canada during the calendar year 1909.
- \*85. Production of cement, lime, clay products, stone, and other structural materials during the calendar year 1909.
89. Proceedings of conference on explosives, 1911. (Fourth edition.)
- \*90. Reprint of presidential address delivered before the American Peat Society at Ottawa, July 25, 1910. By Eugene Haanel, Ph.D.
92. Investigation of the explosive industry in the Dominion of Canada, 1910. Report on—by Capt. Arthur Desborough. (Fourth edition.)
- (E) \*93. Molybdenum ores of Canada. Report on—by Professor T. L. Walker, Ph.D., 1911.
- (F) \*197.
- (E) \*100. The building and ornamental stones of Canada: Building and  
 (F) \*100a. ornamental stones of Ontario. Report on—by Professor W. A. Parks, Ph.D., 1912. 365 pp., 77 pls., 21 drawings.
102. The mineral production of Canada, 1910. Preliminary report on—by John McLeish, B.A.
- \*103. Summary report of Mines Branch, 1910.
- \*104. Catalogue of publications of Mines Branch, from 1902 to 1911: containing tables of contents and list of maps, etc.
- (E) \*105. Austin Brook iron-bearing district. Report on—by E. Lindeman, M.E., 1913.
- (F) 219.
- \*110. Western portion of Torbrook iron ore deposits, Annapolis county, N.S. Bulletin No. 7—by Howells Frechette, M.Sc., 1912.
- \*111. Diamond drilling at Point Mamainse, Ont. Bulletin No. 6—by A. C. Lane, Ph.D., with introductory by A. W. G. Wilson, Ph.D., 1912.
- \*118. Mica: its occurrence, exploitation, and uses. Report on—by Hugh S. de Schmid, M.E., 1912.
142. Summary report of Mines Branch, 1911.

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- ✓ 143. The mineral production of Canada, 1910. Annual report on—  
by John McLeish, B.A.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1910.

- \*114. Production of cement, lime, clay products, stone, and other structural materials in Canada, 1910.
- ✓ \*115. Production of iron and steel in Canada during the calendar year 1910.
- ✓ \*116. Production of coal and coke in Canada during the calendar year 1910.
- ✓ \*117. General summary of the mineral production of Canada during the calendar year 1910.
- (E) ✓ \*145. Magnetic iron sands of Natashkwan, Saguenay county, Que.
- (F) \*149. Report on—by Geo. C. Mackenzie, B.Sc., 1913.
- ✓ \*150. The mineral production of Canada, 1911. Preliminary report on—by John McLeish, B.A.
- (E) ✓ \*151. Investigation of the peat bogs and peat industry of Canada, 1910-11. Bulletin No. 8—by A. Anrep.
- (F) 180.
- (E) ✓ \*154. The utilization of peat fuel for the production of power, being a record of experiments conducted at the Fuel Testing Station, Ottawa, 1910-11. Report on—by B. F. Haanel, B.Sc.
- (F) \*155.
- (E) \*167. Pyrites in Canada: its occurrence, exploitation, dressing, and uses. Report on—by A. W. G. Wilson, Ph.D., 1913.
- (F) \*169.
- (E) ✓ \*170. The nickel industry: with special reference to the Sudbury region, Ont. Report on—by Professor A. P. Coleman, Ph.D., 1913.
- (F) \*179.
- (E) ✓ 184. Magnetite occurrences along the Central Ontario railway. Report on—by E. Lindeman, M.E., 1913.
- (F) 195.
- (E) ✓ \*201. The mineral production of Canada during the calendar year 1911. Annual report on—by John McLeish, B.A.
- (F) 265.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1911.

- ✓ \*181. Production of cement, lime, clay products, stone and other structural materials in Canada during the calendar year 1911. Bulletin on—by John McLeish, B.A.
- ✓ \*182. Production of iron and steel in Canada during the calendar year 1911. Bulletin on—by John McLeish, B.A.
- ✓ \*183. General summary of the mineral production in Canada during the calendar year 1911. Bulletin on—by John McLeish, B.A.
- ✓ \*199. Production of copper, gold, lead, nickel, silver, zinc, and other metals of Canada during the calendar year 1911. Bulletin on—by C. T. Cartwright, B.Sc.

\*Publications marked thus \* are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.



- ↓ \*200. The production of coal and coke in Canada during the calendar year 1911. Bulletin on—by John McLeish, B.A.
- (E) ↓ 203. Building stones of Canada—Vol. II: Building and ornamental  
(F) \*280. stones of the Maritime Provinces. Report on—by W. A. Parks, Ph.D., 1914. 264 pp., 45 pls., 9 figs.
- (E) ↓ 209. The copper smelting industry of Canada. Report on—by  
(F) \*214. A. W. G. Wilson, Ph.D., 1914.
- ↓ \*216. The mineral production of Canada, 1912. Preliminary report on—by John McLeish, B.A.
- ↓ 217. Iron ore occurrences in Canada. Report on—by E. Lindeman, M.E., and L. L. Bolton, M.A., B.Sc.; with Introductory by A. H. A. Robinson, B.A. Sc., 1917.  
Vol. I. Description of principal mines. 71 pp., 23 pls.  
Vol. II. Description of occurrences. 222 pp.
- (E) ↓ 222. Lode mining in Yukon: an investigation of the quartz deposits  
(F) \*223. of the Klondike division. Report on—by T. A. MacLean, B.Sc., 1914. 205 pp., 60 pls., 35 figs.
- (E) 224. Summary report of the Mines Branch, 1912.  
(F) 224a.
- ↓ \*227. Sections of the Sydney coal fields—by J. G. S. Hudson, M.E., 1913.
- \*229. Summary report of the petroleum and natural gas resources of Canada, 1912—by F. G. Clapp, A.M. (See No. 224.)
- (E) \*230. Economic minerals and mining industries of Canada, 1913.  
(F) ↓ 231. (See No. 611.)
- (E) ↓ 245. Gypsum in Canada: its occurrence, exploitation, and technology. Report on—by L. H. Cole, B.Sc., 1914. 256 pp.,  
(F) \*246. 30 pls., 27 figs.
- (E) ↓ 254. Calabogie iron-bearing district. Report on—by E. Lindeman, M.E., 1914. 16 pp.  
(F) 255.
- (E) 259. Preparation of metallic cobalt by reduction of the oxide.  
(F) 260. Report on—by H. T. Kalmus, B.Sc., Ph.D., 1914.
- ↓ 262. The mineral production of Canada during the calendar year 1912. Annual report on—by John McLeish, B.A.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1912.

- ↓ \*238. General summary of the mineral production of Canada during the calendar year 1912. Bulletin on—by John McLeish, B.A.
- (E) \*247. Production of iron and steel in Canada during the  
(F) 287. calendar year 1912. Bulletin on—by John McLeish, B.A.
- ↓ \*256. Production of copper, gold, lead, nickel, silver, zinc, and other metals of Canada, during the calendar year 1912—by C. T. Cartwright, B.Sc.

\*Publications marked thus \* are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.



- \*257. Production of cement, lime, clay products, stone, and other structural materials during the calendar year 1912. Report on—by John McLeish, B.A.
- ✓ \*258. Production of coal and coke in Canada, during the calendar year 1912. Bulletin on—by John McLeish, B.A.
- (E) ✓ 266. Investigation of the peat bogs and peat industry of Canada,  
(F) \*267. 1911 and 1912. Bulletin No. 9—by A. Anrep.
- (E) ✓ 279. Building and ornamental stones of Canada—Vol. III: Building and ornamental stones of Quebec. Report on—by  
(F) \*389. W. A. Parks, Ph.D., 1915. 291 pp., 52 pls., 12 figs.
- (E) ✓ \*281. The bituminous sands of northern Alberta. Report on—by  
(F) \*282. S. C. Ells, M.E., 1915.
- ✓ \*283. The mineral production of Canada, 1913. Preliminary report on—by John McLeish, B.A.
- (E) ✓ 285. Summary report of the Mines Branch, 1913.  
(F) 286.
- (E) ✓ 291. The petroleum and natural gas resources of Canada, 1915.  
1 (F) 292. Report on—by F. G. Clapp, A.M., and others:—  
Vol. I—Technology and exploitation. 378 pp., 21 pls., 25 figs.  
Vol. II—Occurrence of petroleum and natural gas in Canada. 404 pp., 12 pls., 23 figs.  
Also separates of Vol. II, as follows:—  
Part 1, Eastern Canada.  
Part 2, Western Canada.
- (E) ↓ 299. Peat, lignite and coal: their value as fuels for the production  
(F) 300. of gas and power in the by-product recovery producer.  
Report on—by B. F. Haanel, B.Sc., 1915. 261 pp., 29 pls., 39 figs.
- (E) ↓ 303. Moose Mountain iron-bearing district. Report on—by E.  
(F) 304. Lindeman, M.E., 1914. 14 pp., 2 figs.
- (E) ↓ 305. The non-metallic minerals used in the Canadian manufacturing  
(F) 306. industries. Report on—by Howells Fréchette, M.Sc., 1915. 199 pp.
- (E) ↓ 309. The physical properties of cobalt, Part II. Report on—by  
(F) 310. H. T. Kalmus, B.Sc., Ph.D., 1915.
- (E) ✓ 320. The mineral production of Canada during the calendar year  
(F) 321. 1913. Annual report on—by John McLeish, B.A.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1913.

- ✓ \*315. The production of iron and steel during the calendar year 1913. Bulletin on—by John McLeish, B.A.
- ✓ \*316. The production of coal and coke during the calendar year 1913. Bulletin on—by John McLeish, B.A.

\*Publications marked thus \* are out of print.

1Volume I only translated into French.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.



- ↓\*317. The production of copper, gold, lead, nickel, silver, zinc, and other metals, during the calendar year 1913. Bulletin on—by C. T. Cartwright, B.Sc.
- \*318. The production of cement, lime, clay products, stone, and other structural materials, during the calendar year 1913. Bulletin on—by John McLeish, B.A.
- \*319. General summary of the mineral production of Canada during the calendar year 1913. Bulletin on—by John McLeish, B.A.
- ↓\*322. Economic minerals and mining industries of Canada, 1915. (See No. 611.)
- (E) ↓323. The products and by-products of coal. Report on—by Edgar Stansfield, M.Sc., and F. E. Carter, B.Sc., Dr. Ing., 1914. 51 pp.
- (F) \*324. The salt industry of Canada. Report on—by L. H. Cole, B.Sc., 1915.
- (E) ↓325. The investigation of six samples of Alberta lignites. Report on—by B. F. Haanel, B.Sc., and John Blizzard, B.Sc., 1915. 110 pp., 5 pls., 14 figs.
- (F) \*326. The mineral production of Canada, 1914. Preliminary report on—by John McLeish, B.A.
- (E) ↓334. Electro-plating with cobalt and its alloys. Report on—by H. T. Kalmus, B.Sc., Ph.D., 1915.
- (F) 335. Notes on clay deposits near McMurray, Alberta. Bulletin No. 10—by S. C. Ells, B.A., B.Sc., 1915.
- ↓336. Catalogue of Mines Branch publications—(Eleventh edition.) (See No. 624.)
- ↓337. Coals of Canada: Vol. VII. Weathering of coal. Report on—by J. B. Porter, E.M., Ph.D., D.Sc., 1916. 194 pp., 6 pls., 65 figs.
- (E) ↓344. Electro-thermic smelting of iron ores in Sweden. Report on—by Alfred Stansfield, D.Sc., A.R.S.M., F.R.S.C., 1915.
- (F) 345. Summary report of the Mines Branch for 1914.
- (E) 346. Investigation of the peat bogs and the peat industry of Canada, 1913-1914. Bulletin No. 11—by A. Anrep.
- (F) \*352. The mineral production of Canada during the calendar year 1914. Annual report on—by John McLeish, B.A.
- (E) ↓384. 415.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1914.

- ↓348. Production of coal and coke in Canada during the calendar year 1914. Bulletin on—by John McLeish, B.A.
349. Production of iron and steel in Canada during the calendar year 1914. Bulletin on—by John McLeish, B.A.

\*Publications marked thus \* are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.



350. Production of copper, gold, lead, nickel, silver, zinc, and other metals, during the calendar year 1914. Bulletin on—by John McLeish, B.A.
383. The production of cement, lime, clay products, stone, and other structural materials, during the calendar year 1914. Bulletin on—by John McLeish, B.A.
- (E) ✓ 385. Investigation of a reported discovery of phosphate at Banff,  
(F) 386. Alberta. Bulletin No. 12—by H. S. de Schmid, M.E., 1915. 38 pp., 12 pls., 1 fig.
- (E) ✓ 388. The building and ornamental stones of Canada—Vol. IV: building and ornamental stones of the western provinces. Report on—by W. A. Parks, Ph.D., 1917. 323 pp., 56 pls., 7 figs.
- (E) ✓ 396. Phosphate in Canada. Report on—by H. S. Spence, M.E.,  
(F) 397. 1921. 156 pp., 32 pls., 12 figs.
- (E) ✓ 401. Feldspar in Canada. Report on—by H. S. de Schmid, M.E.,  
(F) 402. 1916. 125 pp., 22 pls., 12 figs.
- ✓ 406. Description of the laboratories of the Mines Branch of the Department of Mines, 1916. Bulletin No. 13. 48 pp., 60 pls., 12 figs.
- ✓ \*408. The mineral production of Canada, 1915. Preliminary report on—by John McLeish, B.A.
- (E) ↓ 411. Cobalt alloys with non-corrosive properties. Report on—by  
(F) 412. H. T. Kalmus, B.Sc., Ph.D., 1917.
- (E) ↓ 413. Magnetic properties of cobalt and  $\text{Fe}_2\text{Co}$ . Report on—by  
(F) 414. H. T. Kalmus, B.Sc., Ph.D., 1916.
- (E) ✓ 421. Summary report of the Mines Branch, for 1915.  
(F) 422.
- (E) ✓ 426. The mineral production of Canada during the calendar year  
(F) 427. 1915. Annual report on—by John McLeish, B.A.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1915.

- ✓ 419. Production of iron and steel in Canada during the calendar year 1915. Bulletin on—by John McLeish, B.A.
- ✓ 420. Production of coal and coke in Canada during the calendar year 1915. Bulletin on—by John McLeish, B.A.
423. Production of cement, lime, clay products, stone, and other structural materials during the calendar year 1915. Bulletin on—by John McLeish, B.A.
424. General summary of the mineral production of Canada during the calendar year 1915. Bulletin on—by John McLeish, B.A.
425. Production of copper, gold, lead, nickel, silver, zinc and other metals, during the calendar year 1915. Bulletin on—by John McLeish, B.A.

\*Publications marked thus \* are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.



428. The production of spelter in Canada, 1915. Report on—by Dr. A. W. G. Wilson.
430. The coal-fields and coal industry of eastern Canada. Report on—by F. W. Gray, 1917. 67 pp., 26 pls., 1 fig.
432. The thin coals of eastern Canada. Report on—by J. F. K. Brown, 1917. 135 pp., 1 pl., 61 figs.
435. Mineral springs of Canada, Part I: the radio-activity of some Canadian mineral springs. Bulletin No. 16—by J. Satterly, M.A., D.Sc., and R. T. Elworthy, B.Sc., 1917. 60 pp., 23 pls., 5 figs.
447. The value of peat fuel for the generation of steam. Bulletin No. 17—by John Blizard, B.Sc., 1917. 42 pp., 1 pl., 5 figs.
- \*449. The mineral production of Canada, 1916. Preliminary report on—by John McLeish, B.A.
452. The building and ornamental stones of Canada, Vol. V: British Columbia. Report on—by W. A. Parks, Ph.D., 1918. 227 pp., 47 pls., 3 figs.
- (E) 454. Summary report of the Mines Branch for 1916.
- (F) 455.
456. Test of some Canadian sandstones to determine their suitability for use as pulpstones. Bulletin No. 19—by L. H. Cole, B.Sc., 1917.
458. Clay resources of southern Saskatchewan. Report on—by N. B. Davis, M.A., B.Sc., 1918. 93 pp., 21 pls., 1 fig.
472. Mineral springs of Canada, Part II: the chemical character of some Canadian mineral springs. Bulletin No. 20—by R. T. Elworthy, B.Sc., 1918. 173 pp., 10 pls., 2 figs.
- (E) 474. The mineral production of Canada during the calendar year
- (F) 475. 1916. Annual report on—by John McLeish, B.A.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1916.

458. The production of iron and steel during the calendar year 1916. Bulletin on—by John McLeish, B.A.
465. The production of coal and coke during the calendar year 1916. Bulletin on—by John McLeish, B.A.
470. The production of cement, lime, clay products, stone, and other structural materials in Canada during the calendar year 1916. Bulletin on—by John McLeish, B.A.
471. The production of copper, gold, lead, nickel, silver, zinc, and other metals in Canada, during the calendar year 1916. Bulletin on—by John McLeish, B.A.
- \*476. The occurrence and testing of foundry moulding sands. Bulletin No. 21—by L. H. Cole, B.Sc., 1918.
478. The mineral production of Canada, 1917. Preliminary report on—by John McLeish, B.A.

\*Publications marked thus \* are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.



- ✓ \*479. Analyses of Canadian fuels, Part I: the Maritime Provinces. Bulletin No. 22—by E. Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc., 1918.
480. Analyses of Canadian fuels, Part II: Quebec and Ontario. Bulletin No. 23—by E. Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc., 1918.
- OUT OF PRINT 481. Analyses of Canadian fuels, Part III: Manitoba and Saskatchewan. Bulletin No. 24—by E. Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc., 1918.
482. Analyses of Canadian fuels, Part IV: Alberta and the Northwest Territories. Bulletin No. 25—by E. Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc., 1922. (Revised edition.)
483. Analyses of Canadian fuels, Part V: British Columbia and Yukon Territory. Bulletin No. 26—by E. Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc., 1918.
- (E) ✓ 493. Summary report of the Mines Branch for the calendar year 1917.
- (F) ✓ 494. 1917.
- ✓ 496. Results of forty-one steaming tests conducted at the Fuel Testing Station. Bulletin No. 27—by John Blizard, B.Sc., and E. S. Malloch, B.Sc., 1920.
- ✓ \*502. The economic use of coal for steam-raising and house-heating. Bulletin No. 28—by John Blizard, B.Sc., 1919.
- (E) ✓ \*504. The mineral production of Canada during the calendar year 1917. Annual report on—by John McLeish, B.A.
- (F) 505. 1917. Annual report on—by John McLeish, B.A.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1917.

497. Production of copper, gold, lead, nickel, silver, zinc, and other metals, during the calendar year 1917. Bulletin on—by John McLeish, B.A.
- ✓ 498. Production of iron and steel during the calendar year 1917. Bulletin on—by John McLeish, B.A.
499. General summary of the mineral production of Canada during the calendar year 1917. Bulletin on—by John McLeish, B.A.
500. Production of cement, lime, clay products, stone, and other structural materials during the calendar year 1917. Bulletin on—by John McLeish, B.A.
- ✓ 501. Production of coal and coke in Canada during the calendar year 1917. Bulletin on—by John McLeish, B.A.
- ✓ \*506. The mineral production of Canada, 1918. Preliminary report on—by John McLeish, B.A.
- ✓ \*507. Potash recovery at cement plants. Bulletin No. 29—by Dr. A. W. G. Wilson, 1919.
- (E) ✓ \*509. Summary report of the Mines Branch for the calendar year 1918.
- (F) 510. 1918.

\*Publications marked thus \* are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.



- (E) 511. Graphite. Report on—by H. S. Spence, M.E., 1920. 202 pp.,  
 (F) 512. 56 pls., 43 figs.
519. Smelter treatment rates, Trail, B.C. Bulletin No. 30—by  
 Committee appointed to investigate, 1919.
- (E) 520. The mineral production of Canada during the calendar year  
 (F) 521. 1918. Annual report on—by John McLeish, B.A.
522. Some sources of helium in the British Empire. Bulletin No.  
 31—by Dr. J. C. McLennan, F.R.S., and Associates, 1920.
527. Production of copper, gold, lead, nickel, silver, zinc, and  
 other metals in Canada, during the calendar year 1918.  
 Bulletin on—by John McLeish, B.A.
528. Production of coal and coke, during the calendar year 1918.  
 Bulletin on—by John McLeish, B.A.
529. Production of iron and steel during the calendar year 1918.  
 Bulletin on—by John McLeish, B.A.
530. Road materials along the St. Lawrence river, from the Quebec  
 boundary line to Cardinal, Ont. Bulletin No. 32—by R.  
 H. Picher, 1920. 65 pp., 6 pls.
- \*533. The mineral production of Canada during the calendar year  
 1919. Preliminary report on—by John McLeish, B.A.
- (E) 542. Summary report of the Mines Branch for the calendar year  
 (F) 543. 1919.
544. Production of iron and steel during the calendar year 1919.  
 Bulletin on—by John McLeish, B.A.
- (E) \*545. The mineral production of Canada during the calendar year  
 (F) 546. 1919. Annual report on—by John McLeish, B.A.
547. Production of copper, gold, lead, nickel, silver, zinc, and other  
 metals in Canada, during the calendar year 1919. Bulletin  
 on—by John McLeish, B.A.
548. Production of coal and coke during the calendar year 1919.  
 Bulletin on—by John McLeish, B.A.
- (E) 549. Structural materials along the St. Lawrence river between  
 (F) 550. Prescott, Ont., and Lachine, Que. Report on—by J. Keele  
 and L. Heber Cole, 1922.
- \*554. The mineral production of Canada during the calendar year  
 1920. Preliminary report on—by John McLeish, B.A.
555. Silica in Canada. Report on—by L. Heber Cole, 1923.  
 126 pp., 15 pls., 16 figs.
564. Preparation, transportation and combustion of powdered coal.  
 Report on—by John Blizzard, 1921. 131 pp., 3 pls., 39 figs.
565. Gas producer trials with Alberta Coals. Report on—by John  
 Blizzard and E. S. Malloch, 1921.
566. Production of copper, gold, nickel, silver, zinc, etc., during the  
 calendar year 1920. Report on—by John McLeish.
567. Production of coal and coke in Canada during the calendar  
 year 1920. Report on—by John McLeish.

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\*Publications marked thus \* are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

- (E) †568. The mineral production of Canada during the calendar year 1920. Report on—by John McLeish.
- (F) 569. Barium and strontium in Canada. Report on—by H. S. Spence, 1922. 100 pp., 15 pls., 18 figs.
- (E) 574. Summary report of investigations made by the Mines Branch during the calendar year ending December 31, 1920.
- (F) 573. 575. Mineral resources and technology. Separate, Mines Branch summary, 1920, pp. 5-22.
576. Ore dressing and metallurgy. Separate, Mines Branch summary, 1920, pp. 23-28.
577. Fuels and fuel testing. Separate, Mines Branch summary, 1920, pp. 39-54 and 76-81.
578. Ceramics and road materials. Separate, Mines Branch summary, 1920, pp. 55-75.
- ✓ 579. Titanium. Report on—by A. H. A. Robinson, 1923. 127 pp., 5 figs.
583. Talc and soapstone. Report on—by H. S. Spence, 1922. 85 pp., 2 pls., 15 figs.
586. Summary report of investigations made by the Mines Branch during the calendar year ending December 31, 1921. 346 pp., 20 pls., 15 figs.
588. Mineral resources and technology. Separate, Mines Branch summary, 1921, pp. 7-73.
589. Ore dressing and metallurgy. Separate, Mines Branch summary, 1921, pp. 78-202.
590. Fuels and fuel testing. Separate, Mines Branch summary, 1921, pp. 205-239, and 319-339.
591. Ceramics and road materials. Separate, Mines Branch summary, 1921, pp. 253-313.
- ✓ 592. Molybdenum: metallurgy and uses; and the occurrence, mining and concentration of its ores. Report on—by V. L. Fardley-Wilmot, 1925. 292 pp., 11 pls., 55 figs.
- ✓ 597. Development of chemical, metallurgical, and allied industries in Canada, in relation to the mineral industry. Report on—by A. W. G. Wilson, Ph.D., 1924, 12 diagrams.
598. Vol. I.—Chemical industries.
599. Vol. II.—Metallurgical and allied industries.
605. Summary report of investigations made by the Mines Branch during the calendar year ending December 31, 1922. 273 pp., 5 pls., 17 figs.
607. Mineral resources and technology. Separate, Mines Branch summary, 1922, pp. 7-70.
608. Ore dressing and metallurgy. Separate, Mines Branch summary, 1922, pp. 71-193.

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\*Publications marked thus \* are out of print.

†Since 1920 reports on the mineral production in Canada have been published by the Mining, Metallurgical and Chemical Branch, Dominion Bureau of Statistics, and applications for these reports should be addressed to the Dominion Statistician, Ottawa, Ont.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.



609. Fuels and fuel testing. Separate, Mines Branch summary, 1922, pp. 194-225, and 262-266.
610. Ceramics and road materials. Separate, Mines Branch summary, 1922, pp. 226-261.
- (E) 611. Mineral industries of Canada. Report on—by A. H. A. Robinson, 1924. (Second printing 1925.)
- (F) 612.       Robinson, 1924. (Second printing 1925.)
- (E) 614. Facts about peat. Report on—by B. F. Haanel, 1924.
- (F) 615.
616. Investigations of mineral resources and the mining industry, 1923. 74 pp.
617. Investigations in ore dressing and metallurgy, 1923. 150 pp., 3 pls., 11 figs.
618. Investigations of fuels and fuel testing, 1923. 86 pp., 2 pls., 5 figs., 7 diagrams.
619. Investigations in ceramics and road materials, 1923. 75 pp., 1 pl.
624. Catalogue of Mines Branch publications. (Thirteenth edition, September, 1925.)
625. Bituminous sands of northern Alberta. Report on—by S. C. Ells, 1924. 35 pp., 6 pls.
626. Bentonite. Report on—by H. S. Spence, 1924. 36 pp., 14 pls., 2 figs.
627. Mining laws of Canada—a digest of Dominion and Provincial laws, 1924. 43 pp.
- (E) 628. Central and district heating: the possibilities of application
- (F) 629.       in Canada. Report on—by F. A. Combe, 1924. (Dominion Fuel Board Report No. 3.) 79 pp., 26 figs.
- (E) 630. Coke as a household fuel in central Canada. Report on—by
- (F) 631.       J. L. Landt, 1925. (Dominion Fuel Board Report No. 5.) 140 pp., 51 pls., 18 figs.
641. Peat: its manufacture and uses. Final report of the Peat Committee—by B. F. Haanel, 1925. — pp., 59 pls., 46 figs.
642. Investigations of mineral resources and the mining industry, 1924. — pp., 5 pls., 8 figs.
643. Investigations in ore dressing and metallurgy, 1924. — pp., 6 figs.
644. Investigation of fuels and fuel testing, 1924. — pp., 7 pls., 5 figs., 8 diagrams.
645. Investigations in ceramics and road materials, 1924. — pp.

## IN THE PRESS

632. Bituminous sands of northern Alberta. Report on—by S. C. Ells.

\*Publications marked thus \* are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

# MEMORANDUM SERIES.

- No. 24 - Selected list of books for the Brick  
Yard Office.  
25 - The Concentration of Flake Graphite ore.  
26 - Ceramic Testing and Research Laboratories,  
Ottawa.  
27 - Gravel and Gravel Roads.

No. 12.	Work and organization of the	
No. 13.	Deschenes refinery of the British American Nickel Corporation.. . . .	Feb., 1922
No. 14.	List of graphite consumers in Canada.. . . .	—
No. 15.	The selective flotation of the lower grade nickeli-ferous pyrrhotite ores of Ontario.. . . .	April, 1924
No. 16.	Experimental tests on the beneficiation of Canadian iron ores.. . . .	April, 1924
No. 17.	The Lake George antimony ores and their concentra-tion.. . . .	Sept., 1924
No. 18.	Gasoline survey for 1924, preliminary report.. .	Jan., 1925
No. 19.	Methods of sampling coal deliveries.. . . .	Feb., 1925
✓ No. 20.	The goldfields of northwestern Quebec.. . . .	Feb., 1925
No. 21.	Concentration of lead-zinc ores of eastern Canada	Mar., 1925
✓ No. 22.	The concentration of Canadian molybdenite ores..	July, 1925
No. 23.	Gasoline survey for 1925.. . . .	Sept., 1925

The following lists of mine, smelter and quarry operators have been published by the Mines Branch and copies are available for distribution:

Gold mines	Coal mines
Silver mines	Stone quarry operators
Copper and nickel mines	Manufacturers of clay products and of cement
Silver-lead-zinc mines	Manufacturers of lime
Iron mines	Operators of sand and gravel deposits
Molybdenum, antimony, and tungsten mines	Petroleum and natural gas wells
Metallurgical plants	
Non-metal mines	





## MEMORANDUM SERIES

The following mimeographed articles have been issued by the Mines Branch and copies are available for distribution:

No. 1.	Alkali deposits of western Canada... (Out of print, see Summ. Rep., 1921.)	Jan., 1921
No. 2.	Oil shales of Manitoba and Saskatchewan...	Nov., 1921
No. 3.	Cretaceous shales of Manitoba and Saskatchewan as a possible source of crude petroleum... (Out of print, see Summ. Rep., 1921.)	Dec., 1921
No. 4.	A new source of soapstone in Ontario...	April, 1922
No. 5.	Pottery clays in Canada...	May, 1922
No. 6.	British market for Canadian non-metallic minerals	Dec., 1922
No. 7.	Directory of Belgian buyers of metals and minerals...	Dec., 1922
No. 8.	Directory of British buyers of metals and minerals...	Dec., 1922
No. 9.	Investigation of the economic value of a fossil resin from British Columbia... (Out of print, see Summ. Rep., 1922.)	Nov., 1922
No. 10.	Recovery of petroleum by shafts and galleries at Pechelbronn, France, and at Wietze, Germany..	Feb., 1924
No. 11.	Selective flotation as applied to Canadian ores...	Mar., 1924
No. 12.	Work and organization of the Mines Branch...	Nov., 1922
No. 13.	Deschenes refinery of the British American Nickel Corporation...	Feb., 1922
No. 14.	List of graphite consumers in Canada...	—
No. 15.	The selective flotation of the lower grade nickeli- ferous pyrrhotite ores of Ontario...	April, 1924
No. 16.	Experimental tests on the beneficiation of Cana- dian iron ores...	April, 1924
No. 17.	The Lake George antimony ores and their concentra- tion...	Sept., 1924
No. 18.	Gasoline survey for 1924, preliminary report...	Jan., 1925
No. 19.	Methods of sampling coal deliveries...	Feb., 1925
No. 20.	The goldfields of northwestern Quebec...	Feb., 1925
No. 21.	Concentration of lead-zinc ores of eastern Canada	Mar., 1925
No. 22.	The concentration of Canadian molybdenite ores...	July, 1925
No. 23.	Gasoline survey for 1925...	Sept., 1925

The following lists of mine, smelter and quarry operators have been published by the Mines Branch and copies are available for distribution:

Gold mines	Coal mines
Silver mines	Stone quarry operators
Copper and nickel mines	Manufacturers of clay products and of cement
Silver-lead-zinc mines	Manufacturers of lime
Iron mines	Operators of sand and gravel deposits
Molybdenum, antimony, and tungsten mines	Petroleum and natural gas wells
Metallurgical plants	
Non-metal mines	



## TRADUCTIONS FRANÇAISES

- (F) \*4. Rapport de la Commission nommée pour étudier les divers  
(A) \*3. procédés électro-thermiques pour la réduction des miné-  
raux de fer et la fabrication de l'acier employés en  
Europe—par Eugène Haanel, Ph.D. 1905.
- (F) 26b. Rapport annuel de la production minérale du Canada, durant  
(A) 26. l'année 1906. J. McLeish.
- (F) \*28a. Rapport sommaire de la Division des Mines, du Ministère des  
(A) 28. Mines pour les neuf mois finissant le 31 décembre 1908.  
A. P. Low.
- (F) \*56. Rapport sur les schistes bitumineux ou pétrolifères du Nouveau-  
(A) \*55. Brunswick et de la Nouvelle-Ecosse, ainsi que sur l'indus-  
trie des schistes pétrolifères de l'Ecosse. Première partie:  
industrie; seconde partie: géologie. R. W. Ells, LL.D.,  
F.R.S.C. (Commission géologique n° 1108.)
- (F) \*81. Amiante-Chrysotile. Gisements, exploitation, ateliers de pré-  
(A) \*69. paration et usages. Fritz Cirkel.
- (F) \*100a. Rapport sur les pierres de construction et d'ornement du  
(A) \*100. Canada, 1911. Volume I. Wm. A. Parks.
- (F) \*142a. (26a). Rapport sommaire de la Division des Mines, Minis-  
(A) 142. tère des Mines, pour l'année 1911.
- (F) \*149. Sables ferrugineux magnétiques de Natashkwan, comté de  
(A) \*145. Saguenay, province de Québec. Geo. C. Mackenzie,  
B.Sc.
- (F) \*155. Rapport sur l'utilisation de la tourbe pour la production de la  
(A) \*154. force motrice. Résultats des expériences faites à la sta-  
tion d'essai des combustibles à Ottawa, 1910-11. B. F.  
Haanel.
- (F) \*156. Rapport sur les minerais de tungstène du Canada, 1908. T. L.  
(A) \*25. Walker.
- (F) \*169. Pyrites au Canada: gisements, exploitation, préparation, usa-  
(A) \*167. ges. Alfred W. G. Wilson, Ph.D.
- (F) \*179. L'industrie du nickel, particulièrement dans la région de Sud  
(A) \*170. bury, Ontario. A. P. Coleman, Ph.D.
- (F) 180. Bulletin n° 8: Recherches sur les tourbières et l'industrie de la  
(A) 151. tourbe au Canada, 1910-1911. A. Anrep.
- (F) 195. Gisements de magnétite le long de la ligne du Central Ontario  
(A) 184. Railway. E. Lindeman, I.M.
- (F) \*196. Bulletin n° 4: Enquête sur les tourbières et l'industrie de la  
(A) \*71. tourbe au Canada, durant la saison 1909-10. Aleph  
Anrep.
- (F) \*197. Rapport sur les minerais de molybdène du Canada, 1911. T.  
(A) \*93. L. Walker.
- (F) \*198. Tourbe et lignite. Leur fabrication et leurs emplois en Eu-  
(A) \*19. rope, 1907. E. Nystrom.

\*Les publications précédées d'un \* sont épuisées.

AVIS.—Les lettres (F) et (A) précédant le numéro de la publication, désignent respectivement l'édition française ou anglaise.

- (F) \*202. Graphite. Propriétés, gisements, traitements et usages, 1906.  
 (A) \*18. Fritz Cirkel.
- (F) \*214. Les industries métallurgiques du cuivre au Canada. A. W. G.  
 (A) 209. Wilson.
- (F) 219. Les gisements de fer d'Austin Brook au Nouveau-Brunswick.  
 (A) 105. E. Lindemean, I.M.
- (F) \*223. L'exploitation filonienne au Yukon. Une investigation des  
 (A) 222. gisements de quartz dans la rivière du Klondike. T. A. MacLean.
- (F) 224a. (26a). Rapport sommaire de la Division des Mines, du  
 (A) 224. Ministère des Mines, pour l'année civile terminée le 31 décembre 1912.
- (F) \*226. Rapport sur les dépôts de fer chromé des Cantons de l'Est de  
 (A) \*29. la province de Québec, 1912. Fritz Cirkel.
- (F) 231. Minéraux industriels et industries minières du Canada, 1913.  
 (A) 230.
- (F) \*233. Rapport sur les gisements de gypse des Provinces Maritimes,  
 (A) \*84. 1910. William F. Jennison.
- (F) \*246. Le gypse au Canada: gisement, exploitation et technologie.  
 (A) 245. L. H. Cole.
- (F) 255. Les gisements de magnétite près de Calabogie, comté de  
 (A) 254. Renfrew, Ontario. E. Lindeman.
- (F) 260. Recherches sur le cobalt et ses alliages, faites à l'Université  
 (A) 259. Queen's, de Kingston, Ontario, pour la Division des Mines du Ministère des Mines. Première partie: "Préparation du cobalt métallique par la réduction de l'oxyde." H. T. Kalmus.
- (F) \*263. Bulletin n° 3: Progrès récents dans la construction des fours  
 (A) \*68. électriques pour la production de la fonte, de l'acier et du zinc. Eugène Haanel, Ph.D.
- \*264. Mica: gisements, exploitations et emplois. Deuxième édition.  
 Hugh S. de Schmid, I.M.
- (F) 265. Rapport annuel sur la production minérale du Canada, durant  
 (A) 201. l'année civile 1911. J. McLeish, B.A.
- (F) \*267. Bulletin n° 9: Recherches sur les tourbières et l'industrie de la  
 (A) \*10. tourbe au Canada, 1911-1912. A. Anrep.
- (F) \*280. Pierres de construction et d'ornement du Canada. Vol. II,  
 (A) 203. Provinces Maritimes. W. A. Parks.
- (F) \*282. Rapport préliminaire sur les sables bitumineux de l'Alberta-  
 (A) \*281. Nord. S. C. Ells.
- (F) 286. (26a.) Rapport sommaire de la Division des Mines, du Minis-  
 (A) 285. tère des Mines, pour l'année civile 1913.
- (F) 287. La production du fer et de l'acier au Canada, pendant l'année  
 (A) 247. civile 1912. J. McLeish.
- (F) \*288. La production de charbon et de coke au Canada, pendant l'an-  
 (A) \*258. née civile 1912. J. McLeish.

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- (F) \*289. La production du ciment, de la chaux, des produits d'aigle, de  
(A) 257. la pierre et d'autres matériaux de construction au Canada,  
pendant l'année civile 1912. J. McLeish.
- (F) \*290. La production du cuivre, or, plomb, nickel, argent, zinc et  
(A) \*256. autres métaux au Canada, pendant l'année civile, 1912.  
C. T. Cartwright, B.Sc.
- (F) 292. Ressources du Canada en pétrole et en gaz naturel. Volume I.  
(A) 291. F. G. Clapp.
- (F) 300. Tourbe, lignite et houille: leur valeur comme source de gaz de  
(A) 299. moteur et d'énergie dans les gazogènes à sous-produits.  
B. F. Haanel.
- (F) 304. Le district de ferrière de Moose Mountain, Ontario. E.  
(A) 303. Lindeman.
- (F) 306. Rapport sur les minéraux non-métalliques employés dans les  
(A) 305. industries manufacturières du Canada. H. Fréchette.
- (F) \*308. Recherches sur les charbons du Canada au point de vue de  
(A) 83. leurs qualités économiques. J. B. Porter, E.M., D.Sc., et  
R. J. Durley, Ma.E., et autres. Faites à l'Université  
McGill de Montréal, sous le patronage du gouvernement  
du Dominion.  
Volume I. Recherches sur les charbons du Canada.  
Volume II. Essais au générateur; Essais au gazogène;  
Travail du laboratoire chimique.  
Volume III. Appendice I. Résultats des essais de  
lavage de charbons.  
Volume IV. Appendice II. Essais aux chaudières et  
graphiques.  
Volume VI. Fabrication et essais du coke, et travaux  
au laboratoire de chimie. J. B. Porter et E.  
Stansfield.
- (F) 310. Recherches sur le cobalt et ses alliages, faites à l'Université  
(A) 309. Queens, de Kingston, Ontario, pour la Division des Mines  
du Ministère des Mines. Deuxième partie: "Propriétés  
physiques du cobalt métallique." H. T. Kalmus.
- (F) 314. Bulletin n° 2: Gisements des minerais de fer de la mine Bristol,  
(A) 67. comté de Pontiac, Québec. Levé magnétométrique, etc.  
E. Lindeman, I.M.; Concentration magnétique de mine-  
rais, Geo. C. MacKenzie, B.Sc.
- (F) 321. Rapport annuel de la production minérale du Canada, durant  
(A) 320. l'année civile 1913. J. McLeish.
- (F) \*324. Produits et sous-produits de la houille. E. Stansfield et F. E.  
(A) 323. Carter.
- (F) \*326. Les dépôts salifères du Canada et l'industrie du sel. L. H.  
(A) 325. Cole.
- (F) 335. Recherches sur le cobalt et ses alliages faites à l'Université  
(A) 334. Queens, pour la Division des Mines. Troisième partie:  
"Galvanoplastie au Cobalt." H. T. Kalmus.

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\*Les publications précédées d'un \* sont épuisées.

Avis.—Les lettres (F) et (A) précédant le numéro de la publication, désignent respectivement l'édition française ou anglaise.

- (F) 345. Réduction électrothermique des minerais de fer en Suède. A.  
 (A) 344. Stansfield.
- (F) 347. Rapport sommaire de la Division des Mines, du Ministère des  
 (A) 346. Mines, pour 1914.
- (F) \*352. Bulletin n° 11: Recherches sur les tourbières et l'industrie de la  
 (A) \*351. tourbe au Canada, 1913-1914. A. Anrep.
- (F) 386. Bulletin n° 12: Recherches sur un gisement de phosphate signalé  
 (A) 385. dans l'Alberta. H. S. de Schmid.
- (F) \*389. Pierres de construction et d'ornement du Canada. Volume III,  
 (A) 279. province de Québec. W. A. Parks.
- (F) 397. Le phosphate au Canada. H. S. Spence.  
 (A) 396.
- (F) 402. L'industrie du feldspath au Canada. H. S. de Schmid.  
 (A) 401.
- (F) 412. Recherches sur le cobalt et ses alliages, faites à l'Université  
 (A) 411. Queens, pour la Division des Mines. Quatrième partie:  
 "Les alliages de cobalt à propriétés non-corrosives."  
 H. T. Kalmus et K. B. Blake.
- (F) 414. Recherches sur le cobalt et ses alliages, faites à l'Université  
 (A) 413. Queens, pour la Division des Mines. Cinquième partie:  
 "Les propriétés magnétiques du cobalt et du  $\text{Fe}_2\text{Co}$ ."  
 H. T. Kalmus.
- (F) 415. Rapport annuel de la production minérale du Canada, durant  
 (A) 384. l'année civile 1914. J. McLeish.
- (F) 422. Rapport sommaire de la Division des Mines, du Ministère des  
 (A) 421. Mines, pour 1915.
- (F) 427. Rapport annuel sur la production minérale du Canada, durant  
 (A) 426. l'année civile 1915. J. McLeish.
- (F) 455. Rapport sommaire de la Division des Mines, du Ministère des  
 (A) 454. Mines, pour l'année 1916.
- (F) 475. Rapport annuel sur la production minérale du Canada, durant  
 (A) 474. l'année 1916.
- (F) 494. Rapport sommaire de la Division des Mines, du Ministère des  
 (A) 493. Mines, pour l'année 1917.
- (F) 505. Rapport annuel sur la production minérale du Canada, durant  
 (A) 504. l'année 1917.
- (F) 510. Rapport sommaire de la Division des Mines, du Ministère des  
 (A) 509. Mines, pour l'année 1918.
- (F) 512. Rapport sur le graphite. H. S. Spence, M.E.  
 (A) 511.
- (F) 521. Rapport annuel sur la production minérale du Canada, durant  
 (A) 520. l'année civile 1918.
- (F) 543. Rapport sommaire de la Division des Mines, du Ministère des  
 (A) 542. Mines, pour l'année 1919.
- (F) 546. Rapport annuel sur la production minérale du Canada, durant  
 (A) 545. l'année civile 1919.

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- (F) 550. Rapport sur les matériaux de construction le long du fleuve  
 (A) 549. St-Laurent, entre Prescott, Ont., et Lachine, Qué. Joseph  
 Keele et L. Heber Cole.
- (F) 569. Rapport annuel sur la production minérale du Canada, durant  
 (A) 568. l'année civile 1920.
- (F) 573. Rapport sommaire de la Division des Mines, du Ministère des  
 (A) 574. Mines pour l'année 1920.
- (F) 612. Les industries minérales au Canada. A. H. A. Robinson.  
 (A) 611.
- (F) 615. Renseignements sur la tourbe. B. F. Haanel.  
 (A) 614.
- (F) 629. Chauffage central et régional—Possibilité de sa mise en prati-  
 (A) 628. que au Canada. F. A. Combe.
- (F) 631. Le coke comme combustible de ménage dans le Canada central.  
 (A) 630. J. L. Landt.

#### TRADUCTIONS FRANÇAISES EN PRÉPARATION

556. La silice au Canada. Partie I: l'Est du Canada. L. H. Cole.  
 571. Le barium et le strontium au Canada. H. S. Spence.  
 580. Rapport sur le titane. A. H. A. Robinson.  
 584. Le talc et la stéatite au Canada. H. S. Spence.  
 600. Les industries chimiques et métallurgiques au Canada: A. W. G.  
 Wilson.

#### MAPS

6. Magnetometric survey, vertical intensity: Calabogie mine, Bagot township, Renfrew county, Ontario—by E. Nystrom, 1904. Scale 60 feet to 1 inch. Summary report, 1905. (See Map No. 249.)
13. Magnetometric survey of the Belmont iron mines, Belmont township, Peterborough county, Ontario—by B. F. Haanel, 1905. Scale 60 feet to 1 inch. Summary report, 1906. (See Map No. 186.)
14. Magnetometric survey of the Wilbur mine, Lavant township, Lanark county, Ontario—by B. F. Haanel, 1905. Scale 60 feet to 1 inch. Summary report, 1906. (See Map No. 441.)
33. Magnetometric survey, vertical intensity: lot 1, concession VI, Mayo township, Hastings county, Ontario—by Howells Fréchette, 1909. Scale 60 feet to 1 inch. (See Maps Nos. 191 and 191A.)
34. Magnetometric survey, vertical intensity: lots 2 and 3, concession VI, Mayo township, Hastings county, Ontario—by Howells Fréchette, 1909. Scale 60 feet to 1 inch. (See Maps Nos. 191 and 191A.)
35. Magnetometric survey, vertical intensity: lots 10, 11, and 12, concession IX, and lots 11 and 12, concession VIII, Mayo township, Hastings county, Ontario—by Howells Fréchette, 1909. Scale 50 feet to 1 inch. (See Maps Nos. 191 and 191A.)

- \*36. Survey of Ber Bleue peat bog, Gloucester township, Carleton county, and Cumberland township, Russell county, Ontario—by Erik Nystrom, and A. Anrep. (Accompanying report No. 30.)
- \*37. Survey of Alfred peat bog, Alfred and Caledonia townships, Prescott county, Ontario—by Erik Nystrom and A. Anrep. (Accompanying report No. 30.)
- \*38. Survey of Welland peat bog, Wainfleet and Humberstone townships, Welland county, Ontario—by Erik Nystrom and A. Anrep. (Accompanying report No. 30.)
- \*39. Survey of Newington peat bog, Osnabruck, Roxborough and Cornwall townships, Stormont county, Ontario—by Erik Nystrom and A. Anrep. (Accompanying report No. 30.)
- \*40. Survey of Perth peat bog, Drummond township, Lanark county, Ontario—by Erik Nystrom and A. Anrep. (Accompanying report No. 30.)
- \*41. Survey of Victoria Road peat bog, Bexley and Carden townships, Victoria county, Ontario—Erik Nystrom and A. Anrep. (Accompanying report No. 30.)
- \*48. Magnetometric survey of Iron Crown claim at Nimpkish (Klaanch) river, Vancouver island, B.C.—by E. Lindeman. Scale 60 feet to 1 inch. (Accompanying report No. 47.) See Map No. 442.
- \*49. Magnetometric survey of Western Steel Iron claim, at Sechart, Vancouver island, B.C.—by E. Lindeman. Scale 60 feet to 1 inch. (Accompanying report No. 47.) See Map No. 438.
- \*53. Iron ore occurrences, Ottawa and Pontiac counties, Quebec, 1908—by J. White and Fritz Cirkel. (Accompanying report No. 23.)
- \*54. Iron ore occurrences, Argenteuil county, Quebec, 1908—by Fritz Cirkel. (Accompanying report No. 23.)
- 57. The productive chrome iron ore district of Quebec—by Fritz Cirkel. (Accompanying report No. 29.)
- 60. Magnetometric survey of the Bristol mine, Pontiac county, Quebec—by E. Lindeman. Scale 200 feet to 1 inch. (Accompanying report No. 67.) See Map No. 443.
- 61. Topographical map of Bristol mine, Pontiac county, Quebec—by E. Lindeman. Scale 200 feet to 1 inch. (Accompanying report No. 67.)
- 64. Index map of Nova Scotia: Gypsum—by W. F. Jennison.
- 65. Index map of New Brunswick: Gypsum—by W. F. Jennison.
- 66. Map of Magdalen islands: Gypsum—by W. F. Jennison.
- \*70. Magnetometric survey of Northeast Arm iron range, Lake Timagami, Nipissing district, Ontario—by E. Lindeman. Scale 200 feet to 1 inch. (Accompanying report No. 63.) See Map No. 444.

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\*NOTE.—Maps marked thus \* are out of print.



- \*72. Brunner peat bog, Ontario—by A. Anrep.
73. Komoka peat bog, Ontario—      “
74. Brockville peat bog, Ontario—      “
75. Rondeau peat bog, Ontario—      “
76. Alfred peat bog, Ontario—      “
77. Alfred peat bog, Ontario, main ditch profile—by A. Anrep.
78. Map of asbestos region, Province of Quebec, 1910—by Fritz Cirkel. Scale 1 mile to inch. (Accompanying report No. 69.)
- \*86. Map showing general distribution of serpentine in the Eastern Townships, Quebec. Scale 20 miles to 1 inch. (Accompanying Report No. 69.)
- \*94. Map showing Cobalt, Gowganda, Shiningtree and Porcupine districts—by L. H. Cole. (Accompanying Summary Report, 1910.)
95. General map of Canada, showing coal fields. (Accompanying report No. 83—by Dr. J. B. Porter.)
- \*96. General map of coal fields of Nova Scotia and New Brunswick. (Accompanying report No. 83—by Dr. J. B. Porter.) See Map No. 434.
97. General map, showing coal fields in Alberta, Saskatchewan, and Manitoba. (Accompanying report No. 83—by Dr. J. B. Porter.)
- \*98. General map of coal fields in British Columbia. (Accompanying report No. 83—by Dr. J. B. Porter.)
99. General map of coal fields in Yukon Territory. (Accompanying report No. 83—by Dr. J. B. Porter.)
106. Geological map of Austin Brook iron-bearing district, Bathurst township, Gloucester county, N.B.—by E. Lindeman. Scale 400 feet to 1 inch. (Accompanying report No. 105.)
107. Magnetometric survey, vertical intensity: Austin Brook iron-bearing district—by E. Lindeman. Scale 400 feet to 1 inch. (Accompanying report No. 105.)
108. Index map showing iron-bearing area at Austin Brook—by E. Lindeman. (Accompanying report No. 105.)
- \*112. Sketch plan showing geology of Point Mamainse, Ont.—by Professor A. C. Lane. Scale 4,000 feet to 1 inch. (Accompanying report No. 111.)
113. Holland peat bog, Ontario—by A. Anrep. (Accompanying report No. 151.)
- \*119-137. Mica: township maps, Ontario and Quebec—by Hugh S. de Schmid. (Accompanying report No. 118.)
138. Mica: showing location of principal mines and occurrences in the Quebec mica area—by Hugh S. de Schmid. Scale 3.95 miles to 1 inch. (Accompanying report No. 118.)
139. Mica: showing location of principal mines and occurrences in the Ontario mica area—by Hugh S. de Schmid. Scale 3.95 miles to 1 inch. (Accompanying report No. 118.)

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\*NOTE.—Maps marked thus \* are out of print.

140. Mica: showing distribution of the principal mica occurrences in the Dominion of Canada—by Hugh S. de Schmid. Scale 3.95 miles to 1 inch. (Accompanying report No. 118.)
141. Torbrook iron-bearing district, Annapolis county, N.S.—by Howells Fréchette. Scale 400 feet to 1 inch. (Accompanying report No. 110.)
146. Distribution of iron ore sands of the iron ore deposits on the north shore of the river and gulf of St. Lawrence, Canada—by Geo. C. Mackenzie. Scale 100 miles to 1 inch. (Accompanying report No. 145.)
147. Magnetic iron sand deposits in relation to Natashkwan harbour and Great Natashkwan river, Que. (Index map)—by Geo. C. Mackenzie. Scale 40 chains to 1 inch. (Accompanying report No. 145.)
148. Natashkwan magnetic iron sand deposits, Saguenay county, Que.—by Geo. C. Mackenzie. Scale 1,000 feet to 1 inch. (Accompanying report No. 145.)
152. Map showing the location of peat bogs investigated in Ontario—by A. Anrep. (See Map No. 477.)
153. Map showing the location of peat bogs, as investigated in Manitoba—by A. Anrep.
157. Lac du Bonnet peat bog, Manitoba—by A. Anrep.
158. Transmission peat bog, Manitoba—“ “
159. Corduroy peat bog, Manitoba—“ “
160. Boggy Creek peat bog, Manitoba—“ “
161. Rice Lake peat bog, Manitoba—“ “
162. Mud Lake peat bog, Manitoba—“ “
163. Litter peat bog, Manitoba—“ “
164. Julius peat litter bog, Manitoba—“ “
165. Fort Frances peat bog, Ontario—“ “
- \*166. Magnetometric map of No. 3 mine, lot 7, concessions V and VI, McKim township, Sudbury district, Ont.—by E. Lindeman. (Accompanying summary report, 1911.)
168. Map showing pyrites mines and prospects in eastern Canada and their relation to the United States market—by A. W. G. Wilson. Scale 125 miles to 1 inch. (Accompanying report No. 167.)
171. Geological map of Sudbury nickel region, Ont.—by Prof. A. P. Coleman. Scale 1 mile to 1 inch. (Accompanying report No. 170.)
172. Geological map of Victoria mine—by Prof. A. P. Coleman.
173. “ Crean Hill mine—by Prof. A. P. Coleman.
174. “ Creighton mine—by Prof. A. P. Coleman.
175. “ showing contact of norite and Laurentian in vicinity of Creighton mine—by Prof. A. P. Coleman. (Accompanying report No. 170.)

(Accompanying report No. 151.)

(Accompanying report No. 170.)

\*NOTE.—Maps marked thus \* are out of print.



176. Geological map of Copper Cliff offset—by Prof. A. P. Coleman.  
(Accompanying report No. 170.)
177.               “               No. 3 mine—by Prof. A. P. Coleman.  
(Accompanying report No. 170.)
178. Geological map showing vicinity of Stobie and No. 3 mines—by  
Prof. A. P. Coleman. (Accompanying report No. 170.)
185. Magnetometric survey, vertical intensity: Blairton iron mine,  
Belmont township, Peterborough county, Ontario—by E.  
Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying  
report No. 184.)
- 185a. Geological map, Blairton iron mine, Belmont township, Peter-  
borough county, Ontario—by E. Lindeman, 1911. Scale 200  
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186. Magnetometric survey, Belmont iron mine, Belmont township,  
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- 186a. Geological map, Belmont iron mine, Belmont township, Peter-  
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feet to 1 inch. (Accompanying report No. 184.)
187. Magnetometric survey, vertical intensity: St. Charles mine, Tudor  
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Scale 200 feet to 1 inch. (Accompanying report No. 184.)
- 187a. Geological map, St. Charles mine, Tudor township, Hastings  
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188. Magnetometric survey, vertical intensity: Baker mine, Tudor town-  
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- 188a. Geological map, Baker mine, Tudor township, Hastings county  
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189. Magnetometric survey, vertical intensity: Ridge iron ore deposits,  
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190. Magnetometric survey, vertical intensity: Coehill and Jenkins  
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- 190a. Geological map, Coehill and Jenkins mines, Wollaston township,  
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191. Magnetometric survey, vertical intensity: Bessemer iron ore  
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report No. 184.)
- 191a. Geological map, Bessemer iron ore deposits, Mayo township,  
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192. Magnetometric survey, vertical intensity: Rankin, Childs, and Stevens mines, Mayo township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
- 192a. Geological map, Rankin, Childs, and Stevens mines, Mayo township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
193. Magnetometric survey, vertical intensity: Kennedy property, Carlow township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
- 193a. Geological map, Kennedy property, Carlow township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
194. Magnetometric survey, vertical intensity: Bow Lake iron ore occurrences, Faraday township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
204. Index map, magnetite occurrences along the Central Ontario railway—by E. Lindeman, 1911. (Accompanying report No. 184.)
205. Magnetometric map: Moose Mountain iron-bearing district, Sudbury district, Ontario: Deposits Nos. 1, 2, 3, 4, 5, 6, and 7—by E. Lindeman, 1911. (Accompanying report No. 303.)
- 205a. Geological map, Moose Mountain iron-bearing district, Sudbury district, Ontario: Deposits Nos. 1, 2, 3, 4, 5, 6, and 7—by E. Lindeman. (Accompanying report No. 303.)
206. Magnetometric survey of Moose Mountain iron-bearing district, Sudbury district, Ontario: northern part of deposit No. 2—by E. Lindeman, 1912. Scale 200 feet to 1 inch. (Accompanying report No. 303.)
207. Magnetometric survey of Moose Mountain iron-bearing district, Sudbury district, Ontario: Deposits Nos. 8, 9 and 9A—by E. Lindeman, 1912. Scale 200 feet to 1 inch. (Accompanying report No. 303.)
208. Magnetometric survey of Moose Mountain iron-bearing district, Sudbury district, Ontario: Deposit No. 10—by E. Lindeman, 1912. Scale 200 feet to 1 inch. (Accompanying report No. 303.)
- 208a. Magnetometric survey, Moose Mountain iron-bearing district, Sudbury district, Ontario: eastern portion of Deposit No. 11—by E. Lindeman, 1912. Scale 200 feet to 1 inch. (Accompanying report No. 303.)
- 208b. Magnetometric survey, Moose Mountain iron-bearing district, Sudbury district, Ontario: western portion of Deposit No. 11—by E. Lindeman, 1912. Scale 200 feet to 1 inch. (Accompanying report No. 303.)
- 208c. General geological map, Moose Mountain iron-bearing district, Sudbury district, Ontario—by E. Lindeman, 1912. Scale 800 feet to 1 inch. (Accompanying report No. 303.)



- \*210. Location of copper smelters in Canada—by A. W. G. Wilson. Scale 197.3 miles to 1 inch. (Accompanying report No. 209.)
- \*211. Relative position of copper smelters and mines in southern British Columbia. Scale 35 miles to 1 inch. (Accompanying report No. 209.)
- \*212. The Eastern Townships of Quebec as a possible smelting centre. Scale 35 miles to 1 inch. (Accompanying report No. 209.)
- \*213. Eastern Cape Breton as a possible smelting centre. Scale 35 miles to 1 inch. (Accompanying report No. 209.)
- 215. Province of Alberta: showing properties from which samples of coal were taken for gas producer tests. Fuel Testing Division, Ottawa. (Accompanying summary report, 1912.)
- 220. Mining districts, Yukon. Scale 35 miles to 1 inch—by T. A. MacLean. (Accompanying report No. 222.)
- 221. Dawson mining district, Yukon. Scale 2 miles to 1 inch—by T. A. MacLean. (Accompanying report No. 222.)
- \*228. Index map of the Sydney coal fields, Cape Breton, N.S. (Accompanying report No. 227.)
- 232. Mineral map of Canada. Scale 100 miles to 1 inch. (Accompanying report No. 230.)
- \*234. Portion of Whitehorse copper belt. (Accompanying report No. 222.)
- \*235. Portion of Windy Arm mining district. (Accompanying report No. 222.)
- \*236. Vicinity of Wheaton river. (Accompanying report No. 222.)
- \*237. Geological sketch map of Dublin Gulch, showing mining property. (Accompanying report No. 222.)
- 239. Index map of Canada showing gypsum occurrences. (Accompanying report No. 245.)
- 240. Map showing Lower Carboniferous formation in which gypsum occurs in the Maritime Provinces. Scale 100 miles to 1 inch. (Accompanying report No. 245.)
- 241. Map showing relation of gypsum deposits in Northern Ontario to railway lines. Scale 100 miles to 1 inch. (Accompanying report No. 245.)
- 242. Map, Grand River gypsum deposits, Ontario. Scale 4 miles to 1 inch. (Accompanying report No. 245.)
- 243. Plan of Manitoba Gypsum Co's properties. (Accompanying report No. 245.)
- 244. Map showing relation of gypsum deposits in British Columbia to railway lines and market. Scale 35 miles to 1 inch. (Accompanying report No. 245.)
- 249. Magnetometric survey, Caldwell and Campbell mines, Calabogie district, Renfrew county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 254.)
- 250. Magnetometric survey, Black Bay or Williams mine, Calabogie district, Renfrew county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 254.)

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\*NOTE.—Maps marked thus \* are out of print.

251. Magnetometric survey, Bluff Point iron mine, Calabogie district, Renfrew county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 254.)
252. Magnetometric survey, Culhane mine, Calabogie district, Renfrew county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 254.)
253. Magnetometric survey, Martel or Wilson iron mine, Calabogie district, Renfrew county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 254.)
261. Magnetometric survey, Northeast Arm iron range, lot 339 E.T.W. Lake Timagami, Nipissing district, Ontario—by E. Nystrom, 1903. Scale 200 feet to 1 inch.
268. Map of peat bogs investigated in Quebec—by A. Anrep, 1912. (See Map No. 484.)
269. Large Tea Field peat bog, Quebec “ “
270. Small Tea Field peat bog, Quebec “ “
271. Lanoraie peat bog, Quebec “ “
272. St. Hyacinthe peat bog, Quebec “ “
273. Rivière du Loup peat bog, Quebec “ “
274. Cacouna peat bog, Quebec “ “
275. Le Parc peat bog, Quebec—by A. Anrep, 1912.
276. St. Denis peat bog, Quebec “ “ “
277. Rivière Ouelle peat bog, Quebec “ “ “
278. Moose Mountain peat bog, Ontario “ “ “
284. Map of northern portion of Alberta, showing position of outcrops of bituminous sand. Scale  $12\frac{1}{2}$  miles to 1 inch. (Accompanying report No. 281.)
- \*293. Map of Dominion of Canada, showing the occurrences of oil, gas, and tar sands. Scale 197 miles to 1 inch. (Accompanying report No. 291.)
294. Reconnaissance map of part of Albert and Westmorland counties, New Brunswick. Scale 1 mile to 1 inch. (Accompanying report No. 291.)
295. Sketch plan of Gaspé oil fields, Quebec, showing location of wells. Scale 2 miles to 1 inch. (Accompanying report No. 291.)
296. Map showing gas and oil fields and pipe-lines in southwestern Ontario. Scale 4 miles to 1 inch. (Accompanying report No. 291.) See map No. 523.
297. Geological map of Alberta, Saskatchewan, and Manitoba. Scale 35 miles to 1 inch. (Accompanying report No. 291.)
298. Map, geology of the forty-ninth parallel, 0.9864 miles to 1 inch. (Accompanying report No. 291.)
302. Map showing location of main gas line, Bow island, Calgary. Scale  $12\frac{1}{2}$  miles to 1 inch. (Accompanying report No. 291.)
311. Magnetometric map, McPherson mine, Barachois, Cape Breton county, Nova Scotia—by A. H. A. Robinson, 1913. Scale 200 feet to 1 inch.
312. Magnetometric map, iron ore deposits at Upper Glencoe, Inverness county, Nova Scotia—by E. Lindeman, 1913. Scale 200 feet to 1 inch.

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\*NOTE.—Maps marked thus \* are out of print.



313. Magnetometric map, iron ore deposits at Grand Mira, Cape Breton county, Nova Scotia—by A. H. A. Robinson, 1913. Scale 200 feet to 1 inch.
327. Map showing location of Saline Springs and Salt Areas in the Dominion of Canada. (Accompanying report No. 325.)
328. Map showing location of Saline Springs in the Maritime Provinces. Scale 100 miles to 1 inch. (Accompanying report No. 325.)
329. Map of Ontario-Michigan Salt Basin, showing probable limit of productive area. Scale 25 miles to 1 inch. (Accompanying report No. 325.)
330. Map showing location of Saline Springs in Northern Manitoba. Scale  $12\frac{1}{2}$  miles to 1 inch. (Accompanying report No. 325.)
340. Magnetometric map of Atikokan iron-bearing district, Atikokan mine and vicinity. Claims Nos. 10E, 11E, 12E, 24E, 25E, and 26E, Rainy River district, Ontario—by A. H. A. Robinson, 1914. Scale 400 feet to 1 inch.
- 340a. Geological map of Atikokan iron-bearing district, Atikokan mine and vicinity. Claims Nos. 10E, 11E, 12E, 24E, 25E, and 26E, Rainy River district, Ontario—by A. H. A. Robinson, 1914. Scale 400 feet to 1 inch.
341. Magnetometric map of Atikokan iron-bearing district, Sheet No. 1, Claims Nos. 400R, 401R, 402R, 212X, and 403R, Rainy River district, Ontario—by E. Lindeman, 1914. Scale 400 feet to 1 inch.
- 341a. Geological map of Atikokan iron-bearing district, Sheet No. 1. Claims Nos. 400R, 401R, 402R, 212X, and 403R, Rainy River district, Ontario—by E. Lindeman, 1914. Scale 400 feet to 1 inch.
342. Magnetometric map of Atikokan iron-bearing district, Sheet No. 2. Claims Nos. 403R, 404R, 138X, 139X, and 140X, Rainy River district, Ontario—by E. Lindeman, 1914. Scale 400 feet to 1 inch.
- 342a. Geological map of Atikokan iron-bearing district, Sheet No. 2. Claims Nos. 403R, 404R, 138X, 139X, and 140X, Rainy River district, Ontario—by E. Lindeman, 1914. Scale 400 feet to 1 inch.
343. Magnetometric map of Atikokan iron-bearing district. Mile Post No. 140, Canadian Northern railway, Rainy River district, Ontario—by E. Lindeman, 1914. Scale 400 feet to 1 inch.
- 343a. Geological map, Atikokan iron-bearing district. Mile Post No. 140, Canadian Northern railway, Rainy River district, Ontario—by E. Lindeman, 1914. Scale 400 feet to 1 inch.
354. Index Map, showing location of peat bogs investigated in Ontario: (See Map No. 477)—by A. Anrep, 1913-14.
355. Richmond peat bog, Carleton county, Ontario—by A. Anrep, 1913-14.
356. Luther peat bog, Wellington and Dufferin counties, Ontario—by A. Anrep, 1913-14
357. Amaranth peat bog, Dufferin county, Ontario— “ “
358. Cargill peat bog, Bruce county, Ontario— “ “

359. Westover peat bog, Wentworth county, Ontario—by A. Anrep, 1913-14
360. Marsh Hill peat bog, Ontario county, Ontario— “ “
361. Sunderland peat bog, Ontario county, Ontario— “ “
362. Manila peat bog, Victoria county, Ontario— “ “
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364. Clareview peat bog, Lennox and Addington  
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365. Index map, showing location of peat bogs in-  
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366. L'Assomption peat bog, l'Assomption county,  
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368. Holton peat bog, Châteauguay county, Quebec— “ “
369. Index Map, showing location of peat bogs  
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370. Black Marsh bog, Prince county, Prince  
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371. Portage peat bog, Prince county, Prince  
Edward Island— “ “
372. Miscouche peat bog, Prince county, Prince  
Edward Island— “ “
373. Muddy Creek peat bog, Prince county, Prince  
Edward Island— “ “
374. The Black Banks peat bog, Prince county,  
Prince Edward Island— “ “
375. Mermaid peat bog, Queens county, Prince  
Edward Island— “ “
376. Caribou peat bog, Kings county, Prince  
Edward Island— “ “
377. Cherryfield peat bog, Lunenburg county,  
Nova Scotia— “ “
378. Tusket peat bog, Yarmouth county, Nova  
Scotia— “ “
379. Makoke peat bog, Yarmouth county, Nova  
Scotia— “ “
380. Heath peat bog, Yarmouth county, Nova  
Scotia— “ “
381. Port Clyde peat bog, Shelburne county,  
Nova Scotia— “ “
382. Latour peat bog, Shelburne county, Nova  
Scotia— “ “
383. Clyde peat bog, Shelburne county, Nova  
Scotia— “ “
387. Geological map Banff district, Alberta, showing location of phos-  
phate beds—by Hugh S. de Schmid, 1915. (Accompanying  
report No. 385.)



390. Christina River map, showing outcrops of bituminous sand along Christina valley; contour intervals of 20 feet—by S. C. Ells, 1915. Scale 1,000 feet to 1 inch. (See Map No. 633.)
391. Clearwater River map, showing outcrops of bituminous sand along Clearwater valley; contour intervals of 20 feet—by S. C. Ells, 1915. Scale 1,000 feet to 1 inch. (See Maps Nos. 633, 634.)
392. Hanginstone-Horse rivers, showing outcrops of bituminous sand along Hanginstone and Horse River valleys; contour intervals of 20 feet—by S. C. Ells, 1915. Scale 1,000 feet to 1 inch. (See Map No. 635.)
393. Steepbank river, showing outcrops of bituminous sand along Steepbank valley; contour intervals of 20 feet—by S. C. Ells, 1915. Scale 1,000 feet to 1 inch. (See Map No. 636.)
394. McKay river, 3 sheets, showing outcrops of bituminous sand along McKay valley; contour intervals of 20 feet—by S. C. Ells, 1915. Scale 1,000 feet to 1 inch. (See Map No. 637.)
395. Moose river, showing outcrops of bituminous sand along Moose valley; contour intervals of 20 feet—by S. C. Ells, 1915. Scale 1,000 feet to 1 inch. (See Map No. 638.)
398. Ontario phosphate area—by Hugh S. de Schmid. (Accompanying report No. 396.)
399. Quebec phosphate area—by Hugh S. de Schmid. (Accompanying report No. 396.)
403. Ontario feldspar area—by Hugh S. de Schmid. (Accompanying report No. 401.)
404. Quebec feldspar area—by Hugh S. de Schmid. (Accompanying report No. 401.)
405. Magnetometric map, Orton mine and vicinity, Hastings county, Ontario—by A. H. A. Robinson, 1915. (See Map No. 581.)
409. Magnetometric map, Kaministiquia, Thunder Bay district, Ontario—by A. H. A. Robinson, 1914-15.
410. Geological map, Kaministiquia, Thunder Bay district, Ontario—by A. H. A. Robinson, 1914-15.
416. Magnetometric map, Matawin Iron Range, claims Nos. 215W to 223W. (inc.), Thunder Bay district, Ontario—by A. H. A. Robinson, 1914-15.
434. Coal-fields of Nova Scotia and New Brunswick—by D. B. Dowling.
437. Map of portions of Ontario and Quebec, showing location of mineral springs. (Accompanying report No. 435 "Mineral Springs of Canada.")
438. Magnetometric map, Western Steel Iron claim at Sechart, Vancouver Island, B.C.—by E. Lindeman.
439. Magnetometric map, Baldwin mine, Hull township, Quebec—by E. Nystrom.
441. Magnetometric map, Wilbur mine, Lavant township, Lanark county, Ontario—by B. F. Haanel.
442. Magnetometric map, Iron Crown claim, Nimpkish river, Vancouver island, B.C.—by E. Lindeman.

443. Magnetometric map, Bristol mine, Pontiac county, Quebec—by E. Lindeman.
444. Magnetometric map, Northeast Arm Iron range, lots Nos. E.T.W. 340, W.D. 341, W.D. 342, W.D. 343, and W.D. 351. Lake Timagami, Nipissing district, Ontario—by E. Lindeman.
445. Map showing iron ore occurrences and blast furnaces in the Dominion of Canada and Newfoundland.
446. Magnetometric map, Radenhurst and Caldwell mines, Lanark county, Ont.—by A. H. A. Robinson, 1916.
459. Moose Creek peat bog, Prescott, Russell, and Stormont counties, Ontario—by A. Anrep, 1915-16-17.
460. Westmeath peat bog, Renfrew county, Ont.—by A. Anrep, 1915-16-17.
461. Meath peat bog, Renfrew county, Ont.—by A. Anrep, 1915-16-17.
462. Farnham peat bog, Missisquoi and Iberville counties, Que.—by A. Anrep, 1915-16-17.
463. Canrobert peat bog, Rouville county, Que.—by A. Anrep, 1915-16-17.
464. Napierville peat bog, Napierville county, Que.—by A. Anrep, 1915-16-17.
468. Geological map, southern Saskatchewan, accompanying report on "Clay Resources of Southern Saskatchewan"—by J. Keele.
469. Cypress Hill sheet, accompanying report on "Clay Resources of Southern Saskatchewan"—by J. Keele.
477. Peat bogs investigated in Ontario. (Third edition)—by A. Anrep.
484. " " " " " "
485. Girard peat bog, Quebec—" "
486. Pont Rouge peat bog, Quebec—" "
487. Peat bogs investigated in New Brunswick—" "
488. St. Stephen peat bog, New Brunswick—by A. Anrep.
489. Hayman peat bog " " "
490. Seely " " "
491. Pocologan " " "
492. Musquash " " "
513. Graphite occurrences in Bedford, Loughborough, Burgess, and Elmsley N. tps., Ontario—by Hugh S. Spence. (Accompanying report No. 511.)
514. Graphite occurrences in Monmouth, Cardiff, Monteagle, and Dungannon tps., Ontario—by Hugh S. Spence. (Accompanying report No. 511.)
515. Graphite occurrences in Brougham and Blithfield tps., Ontario—by Hugh S. Spence. (Accompanying report No. 511.)
516. Graphite occurrences in Grenville, and Wentworth tps., Quebec—by Hugh S. Spence. (Accompanying report No. 511.)
517. Graphite occurrences in Amherst tp., Quebec—by Hugh S. Spence. (Accompanying report No. 511.)
518. Graphite occurrences in Buckingham, and Lochaber tps., Quebec—by Hugh S. Spence. (Accompanying report No. 511.)



523. Map showing gas and oil fields and pipe lines in southwestern Ontario—by J. C. McLennan. (Accompanying report No. 522 on Helium.)
524. Occurrences of petroleum, natural gas, and bituminous sands in western Canada—by J. C. McLennan. (Accompanying report No. 522.)
525. Map showing location of main gas line, Bow island to Calgary, Alberta—by J. C. McLennan. (Accompanying report No. 522.)
526. Map showing location of natural gas wells in British Columbia—by J. C. McLennan. (Accompanying report No. 522.)
532. Deposits of stone and gravel available for highway construction between Cardinal, Ontario, and the Quebec boundary. Scale 2 miles to 1 inch.
551. Morrisburg sheet, St. Lawrence section. Scale 1 mile to 1 inch. (Accompanying report No. 549, "Structural Materials along the St. Lawrence River.")
552. Cornwall sheet, St. Lawrence River section. Scale 1 mile to 1 inch. (Accompanying report No. 549, "Structural Materials along the St. Lawrence River.")
553. Valleyfield sheet, St. Lawrence River section. Scale 1 mile to 1 inch. (Accompanying report No. 549, "Structural Materials along the St. Lawrence River.")
557. Distribution of sandstone in the district of Nelles Corners, Haldimand county, Ont. Scale 1 mile to 1 inch. (Accompanying report No. 555, "Silica in Canada.")
558. Distribution of sandstone in the district north of the St. Lawrence river, between Kingston and Brockville, Ont. Scale 3.95 miles to 1 inch. (Accompanying report No. 555, "Silica in Canada.")
559. Distribution of sandstone in the vicinity of Ottawa, Ont. Scale 3.95 miles to 1 inch. (Accompanying report No. 555, "Silica in Canada.")
560. Distribution of sandstone in the vicinity of Montreal, Que. Scale 3.95 miles to 1 inch. (Accompanying report No. 555, "Silica in Canada.")
561. Sketch map of quartzite deposits, townships of Chavigny and Montauban, Que. Scale  $\frac{1}{2}$  mile to 1 inch. (Accompanying report No. 555, "Silica in Canada.")
562. Distribution of quartzite in the Kamouraska district, Que. Scale 7.89 miles to 1 inch. (Accompanying report No. 555, "Silica in Canada.")
563. Sketch map of the Pilgrim islands, River St. Lawrence, near St. André, Kamouraska county, Que. Scale 1,000 feet to 1 inch. (Accompanying report No. 555, "Silica in Canada.")
581. Magnetometric map, Orton mine and vicinity, Hastings county, Ont. Scale 200 feet to 1 inch. (Accompanying report No. 579, "Titanium.")

582. Magnetometric map of part of the Seine Bay titaniferous magnetite deposits. Scale 400 feet to 1 inch. (Accompanying report No. 579, "Titanium.")
594. Molybdenite occurrences in British Columbia. Scale 35 miles to 1 inch. (Accompanying report No. 592.)
595. Molybdenite occurrences in Ontario. Scale 35 miles to 1 inch. (Accompanying report No. 592.)
596. Molybdenite occurrences in Quebec and Maritime Provinces. Scale 35 miles to 1 inch. (Accompanying report No. 592.)
613. Mineral map of the Dominion of Canada. British Empire Edition. Scale 100 miles to 1 inch.
633. Bituminous Sands of Northern Alberta, Sheet No. 1:  
 N.  $\frac{1}{2}$  township 87, ranges 7, 8, and N.W.  $\frac{1}{4}$  6  
       "      88, "      7, 8, "      W.  $\frac{1}{2}$  6  
 S.  $\frac{1}{2}$  "      89, "      7, 8, "      S.W.  $\frac{1}{4}$  6  
 West of the Fourth Meridian. Scale 40 chains to 1 inch.  
 (Accompanying report No. 632.)
634. Bituminous Sands of Northern Alberta, Sheet No. 2:  
 Townships 88 and 89, ranges 9 and 10, west of the Fourth meridian. Scale 40 chains to one inch. (Accompanying report No. 632.)
635. Bituminous Sands of Northern Alberta, Sheet No. 3:  
 Townships 90 and 91, ranges 9 and 10, west of the Fourth meridian. Scale 40 chains to 1 inch. (Accompanying report No. 632.)
636. Bituminous Sands of Northern Alberta, Sheet No. 4:  
 Townships 92 and 93, ranges 9, 10 and E.  $\frac{1}{2}$  11, west of the Fourth meridian. Scale 40 chains to 1 inch. (Accompanying report No. 632.)
637. Bituminous Sands of Northern Alberta, Sheet No. 5:  
 Townships 94 and 95, ranges 10 and 11, west of the Fourth meridian. Scale 40 chains to 1 inch. (Accompanying report No. 632.)
638. Bituminous Sands of Northern Alberta, Sheet No. 6:  
 Townships 96 and 97, ranges 10 and 11, west of the Fourth meridian. Scale 40 chains to 1 inch. (Accompanying report No. 632.)
639. Bituminous Sands of Northern Alberta, Sheet No. 7:  
 Township 98, ranges, 9, 10 and 11, west of the Fourth meridian. Scale 40 chains to 1 inch. (Accompanying report No. 632.)
640. Bituminous Sands of Northern Alberta, Sheet No. 8:  
 Townships 99 and 100, ranges 8, 9 and 10, west of the Fourth Meridian. Scale 40 chains to 1 inch. (Accompanying report No. 632.)

*Address all communications to—*

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